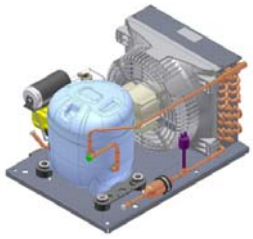
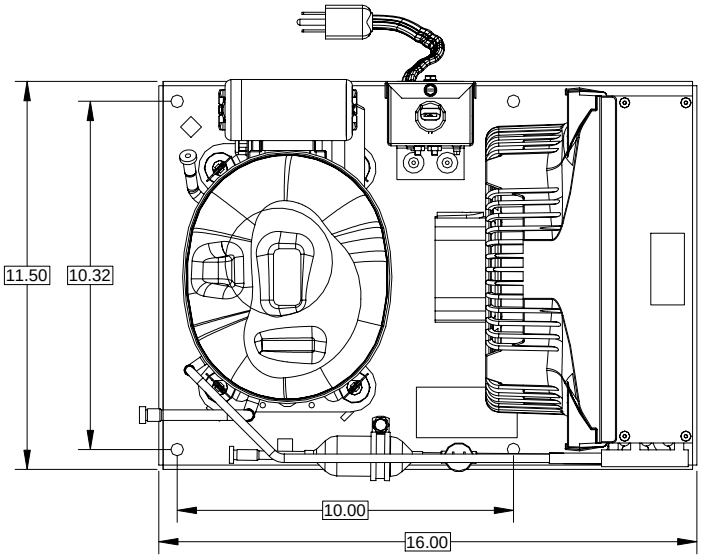
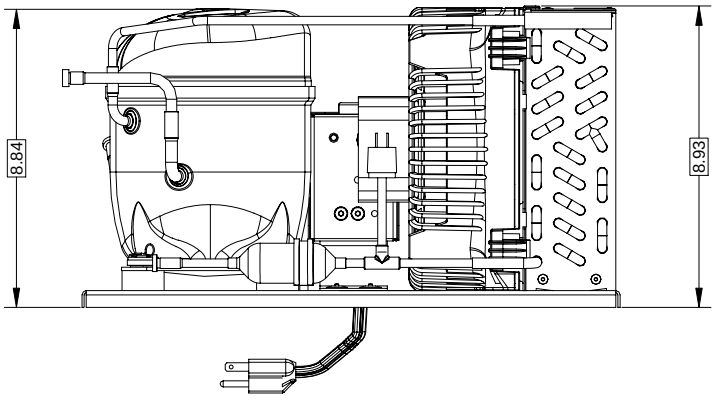
CELSEON® LOW PROFILE CONDENSING UNIT

Model	**AE2413U-AA1ACK**
BOM	**32G322-39S**
Air Cooled	**1/3 HP**
Application	**Low Temp**
Refrigerant	**R290**
Volts-Hz-Ph	**115-60-1**







AE2413U-AA1ACK	Dim. Enclosure (inch)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @ 90°F	SCFM	Oz.	Lbs (kg)
	16.00	11.50	8.93	5/16"	1/4"	---	180	9.64	40.8 (18.5)

Factory charge 20 psig dry air, **MUST BE EVACUATED**
Maximum Refrigareant Charge: 150 gr

Evaporator		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-40	1.6	590	200	142	86	530	190	164	96	490	200	188	105	450	200	215	115
-35	3.6	730	210	145	87	650	210	166	97	590	210	190	106	540	220	217	116
-30	5.8	850	230	149	89	770	230	171	99	700	230	194	108	630	230	222	118
-25	8.3	980	240	154	91	890	240	175	101	800	240	199	110	730	250	227	120
-20	10.9	1110	260	158	93	1010	260	180	102	920	260	204	112	830	260	232	121
-15	13.8	1300	270	155	92	1180	270	176	101	1080	270	200	110	970	270	226	119
-10	16.9	1460	280	158	93	1340	280	179	102	1220	290	203	111	1100	290	229	120
-5	20.3	1640	300	161	94	1500	300	183	103	1370	300	206	112	1250	310	232	121
0	23.9	1820	310	164	96	1680	310	186	105	1540	320	210	114	1400	330	236	123
5	27.8	2020	320	168	98	1870	330	191	106	1720	340	214	115	1570	350	240	124
10	32.0	2240	330	173	99	2080	340	195	108	1920	360	219	117	1760	370	245	126

Performance @ 60 Hz, Return 40°F, SubCooling 5°F

PRELIMINARY

Parts/Specifications

Unit BOM	**32G322-39S**	Condenser	506-G434
Unit MODEL	**AE2413U-AA1ACK**	Fan Guard	116-002P
		Condenser, Fan Guard Kit	K135-02
Refrigerant	R290	Power Cord	85106-10
Refrigeration RANGE	-40°F to 10°F		
Design Pressure Low	130	Fan Motor	810-141EA
Design Pressure High	450	Fan Motor RLA	0.32
Volts - HZ - Ph	115V ~ 60HZ	Fan Blade	515-021P
Voltage Range	103 - 127	Replacement Fan Motor	
Min. Circuit Ampacity	4.7	Fan Motor, Blade, Guard Assy	
Max. Fuse Size	15		
		High Pressure Switch	841-10000
Compressor MODEL	AE2413U-AA1A	Liquid Filter/Drier	704-20004
Compressor BOM	AE-1143-E		
Compressor LRA	25.5		
Compressor RLA	3.5		
OverLoad	830-10055		
Replacement Kit - O/L			
Relay	820-10109		
Replacement Kit - Relay			
Run Capacitor			
Run Capacitor Rating			
Start Capacitor	85PS165E36		
Start Capacitor Rating	176-216 MFD 165V		
Unit drawing DGU	DGU1896-G103A		
Electrical Diagram	91274